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(54) Title: POLYHYDROXY HYDROGENSULFATED TRIMETALLIC NITRIDE ENDOHEDRAL METALLOFULLERENES

(57) Abstract: Polyhydroxy hydrogensulfated trimetallic nitride endohedral metallofullerenes, can be utilized in a number of applications, for example, as proton conductors in electrochemical devices. The presence of encapsulated metal atoms, preferably trivalent metals including lanthanides, rare earths or IIB group metals, polyhydroxy hydrogensulfated trimetallic nitride endohedral metallofullerenes with properties not found in empty-cage polyhydroxy hydrogensulfated fullerenes.